ZLL/ HA1.2
CCT/ Dimmable
40W LED Driver

ZigBee3.0

24-42V DC

Constant Current

Amelech Technology Limited

TEL: 0755-83281596   Email: sales@amelech.com

ADD: 16A, Tairan Shuisong Bldg., Shenye, Binhe Rd., Shatou Subdistrict, Futian Dist., Shenzhen 518040, China
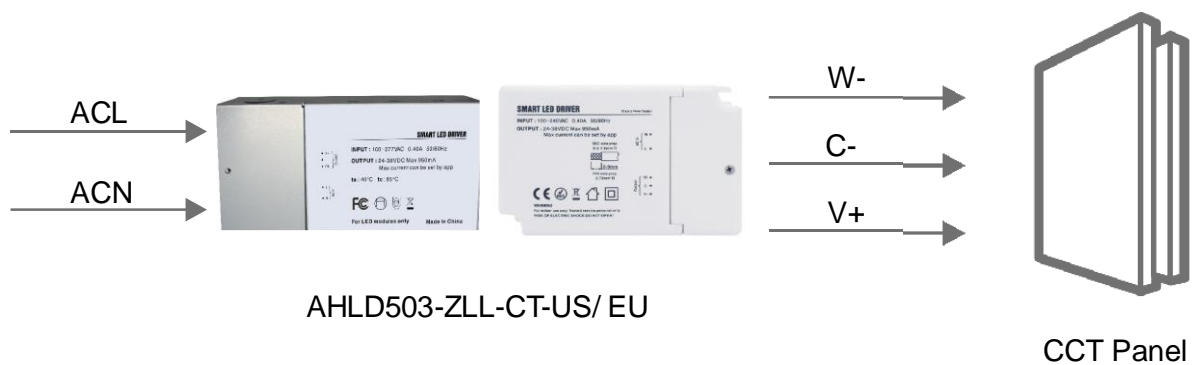
Product Description

This ZLL LED Driver is a kind of ZLL/ HA1.2/ Zigbee 3.0 protocol device for SC/ CCT LED light. It is compatible with Philips Hue Bridge, Osram Lightify, Osram Lightify Pro, Echo plus gateway and other ZLL/ ZigBee HA1.2/ Zigbee 3.0 gateway.

System Diagram

System Diagram

Caution: Please cut off all power before installation!

ACL → [SMART LED DRIVER] → W- → CCT Panel
ACN → C-
V+

AHLD503-ZLL-CT-US/ EU

CCT Panel

ACL → [SMART LED DRIVER] → C- → SC Panel
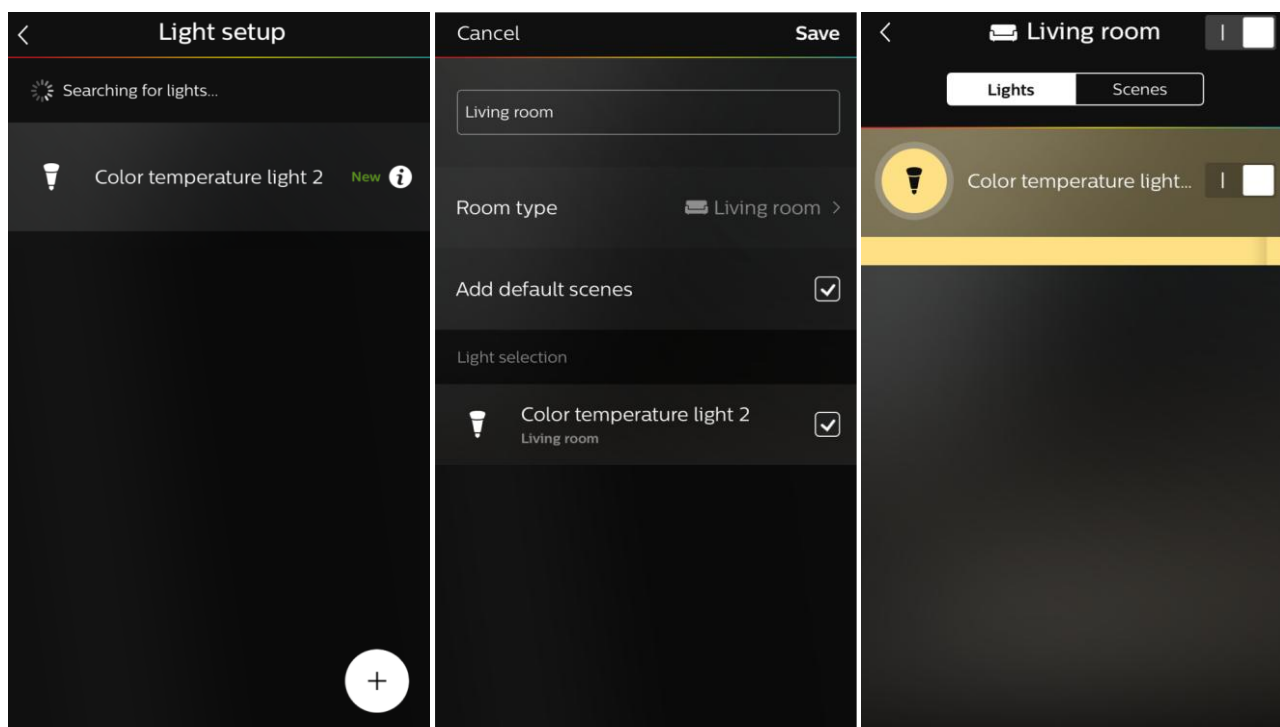ACN → V+

AHLD503-ZLL-SC-US/ EU

SC Panel

Operating Steps

- Connect Philips Hue, Osram or ZLL/ HA1.2/ Zigbee3.0 gateway with router and download their App from Google Play or App Store.
- Power on the ZLL device.
- Find the ZLL device on the App and named it, control the LED lamp by the App.

This ZLL devices can be controlled by a wall mounted dimming switch. See steps below.

1. Connect the dimming switch with AC power.
2. "OFF" and then "ON" the lamp via the App for 3 times within 5 seconds.
3. For 1-channel dimming switch, long press "power" button for 3 seconds.
4. For multi-channel dimming switch, choose the channel1/ channel2/ channel 3. Long press "power" button for 3 seconds.

Note: Step 3 & 4 must be finished in the following 15 seconds after step 2.

Restore Factory Setting

Step 1: AC power on and off the device within 2 seconds.
Step 2: Repeat step1 for 4 times.
Step 3: Power on the device following up with step 2, lamp will flash for 4 times, then keep on. Reset done.

P.S. The lamp will be reduced to 30% luminance when it is successfully added into the App.

Electrical parameters

Specification	AHLD503-ZLL-CT/ SC-US	AHLD503-ZLL-CT/ SC-EU
Input Power	100-277Vac	100-240Vac
Channels	2/ 1-Channel	2/ 1-Channel
Output Current	1050mA Max	1050mA Max
Output DC	24-42V	24-42V
PF	>0.9	>0.9
Efficiency	Max 85%	Max 85%
Operation Temperature	-20°C to 40°C	-20°C to 40°C

AHLD503-ZLL-US/ EU

Size: 190x85x35mm/ 118x74x32mm

Gross Weight: 450g/ 230g

Package: 1pc/ package